Chemical Properties of the Soils

Monroe County, Alabama

NOTE: Absence of an entry indicates that data were not estimated.

Map symbol and soil name		Cation exchange capacity 	cation	reaction		Gypsum 	Salinity	Sodium adsorp- tion ratio
	 In	meq/100 g	 meq/100 g	рН	Pct	Pct	mmhos/cm	_
ArF: Arundel	I I 0-5		l I	3.6-5.5	 		0	
Alundel	5-22		l	3.6-4.4			0	
	22-60				i i		0	
AtA:								
Atmore	ı I 0-6		l I –––	3.6-5.5	 		0	
71011010	6-50	i		3.6-5.5	i i		0	i
	50-68			3.6-5.5	i i		0	
BaB:								
Bama	ı ∣ 0-13			4.5-6.0			0	
-	13-40			4.5-5.5			0	i
	40-60			4.5-5.5	i i		0	i
BaC:			 					
Bama	0-13		 	4.5-6.0			0	
-	13-40			4.5-5.5			0	i
	40-60			4.5-5.5	i i	i	0	·
BbC:			 					
Bama	ı I 0−13		 	4.5-6.0	 		0	
	13-40	i		4.5-5.5	i i	i	0	i
	40-60			4.5-5.5	i i		0	
Urban Land	0-6		 				0	
BeB:			 		 			
Beatrice	0-3	i		3.6-6.0	0	0 1	0	i o
	3-50	·		3.6-5.0	0 1	0 1	0	0
	50-72				i i	j		ļ
BeC:			 					
Beatrice	0-3	i		3.6-6.0	0 1	0	0	0
	3-50			3.6-5.0	0 1	0	0	0
	50-72							
BnB:			 	 	ı 			
Benndale	0-10	i		4.5-5.5	i i	j	0	i
	10-57			4.5-5.5			0	
	57-64			4.5-5.5			0	
BrA:			 	 		l		
Bibb	0-8		4.0-10	3.6-5.5	0 1	0	0	0
	8-60		4.0-10	3.6-5.5	0 1	0	0	0
BsB:			 	 		 		
Bigbee	0-13			4.5-6.0	ı i	j	0	i
	13-80			4.5-6.0			0	
CaA:		 	 		 			I
Cahaba	0-9	i		4.5-6.0	i i		0	·
	9-50			4.5-6.0	i i		0	
	50-65			4.5-6.0	i i		0	

Chemical Properties of the Soils, cont.

Monroe County, Alabama

Map symbol and soil name		exchange capacity	 Effective cation exchange capacity 	reaction		 Gypsum 	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	' рН	Pct	Pct	mmhos/cm	- <u>i</u>
ChB: Chrysler	 0-7 7-72 72-96		 	 4.5-5.5 4.5-5.5 4.5-5.5	0 1	0 0 0 0	0 0 0	 0 0 0
CnB: Congaree	 0-6 6-34 34-60	6.0-15 5.0-18 	 	4.5-7.3 4.5-7.3		0 0 	0 0 	 0 0
EcA: Escambia	 0-11 11-42 42-79	i	 	3.6-5.5 3.6-5.5 3.6-5.5	i i	 	0 0 0	
EsC: Esto	 0-4 4-10 10-61		 	3.6-5.5 3.6-5.5 3.6-5.5	0 1	0 0 0	0 0 0	 0 0 0
GdA: Grady	 0-6 6-13 13-65		 	3.6-5.5 3.6-5.5 3.6-5.5	i i	 	0 0 0	
GrB: Greenville	 0-6 6-72	 	4.0-10 4.0-12	 4.5-6.0 4.5-6.0		0 0 0	0 0	 0 0
GrC: Greenville	 0-6 6-72	 	4.0-10 4.0-12	4.5-6.0 4.5-6.0		0 0 0	0 0	 0 0
HaB: Halso	0-5 5-31 31-47 47-60		 	3.6-5.5 3.6-5.5 3.6-5.5		0 0 0 	0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
HaC: Halso	0-5 5-31 31-47 47-60		 	 3.6-5.5 3.6-5.5 3.6-5.5 	0 1	0 0 0 	0 0 0	0 0 0
ImA: Iuka	 0-5 5-30 30-66		 	 5.1-6.0 4.5-5.5 4.5-5.5	i i	 	0 0 0	
Mantachie	 0-3 3-66	 	 	 4.5-5.5 4.5-5.5		 	0	
IrB: Izagora	 0-12 12-35 35-63			 3.6-6.0 3.6-5.5 3.6-5.5	i i	 	0 0 0	
LaA: Lenoir	 0-4 4-66	 	 	 3.6-5.5 3.6-5.5		 	0 0	
LcA: Lucedale	 0-8 8-80	 	 	 5.1-6.5 4.5-5.5		 	0 0	

Chemical Properties of the Soils, cont.

Monroe County, Alabama

.cB: Lucedale .nB: Lucy	In I		meq/100 g 	 	Pct	Pct	mmhos/cm	-!
Lucedale nB: Lucy	8-80 - 0-25 25-34	 	1	 	1		mmilOS/ CIII	1
Lucedale nB: Lucy	8-80 - 0-25 25-34	 	1	 E 1 ^ F	. !			
Lucy	 - 0-25 25-34			5.1-6.5	i i		0	
Lucy	25-34			4.5-5.5			0	
Lucy	25-34	1	 	 	 			l I
	1		i	5.1-6.0	i i		0	i
	34-66	1		4.5-5.5			0	
				4.5-5.5			0	
nC:		İ	i		i i			
Lucy				5.1-6.0			0	
	25-34 34-66			4.5-5.5 4.5-5.5			0	
	34-00			4.5-5.5			U	
tE:	i	İ	İ	I	i i	i		i
Lucy				5.1-6.0			0	
	25-34 34-66			4.5-5.5 4.5-5.5			0	
	34 00	İ	İ	4.5 5.5			O	
Troup	•			4.5-6.0			0	
	62-85			4.5-5.5			0	
vC:		i i	1	 				
Luverne	0-4	i	i	3.6-5.5	i i		0	i
	4-26			3.6-5.5			0	
	26-50 50-72			3.6-5.5 3.6-5.5			0	
	30 72	İ	İ	3.0 3.3			O	
vE:	İ	İ	İ	İ	i i			İ
Luverne	- 0-4 4-26			3.6-5.5 3.6-5.5			0	
	1 26-50			3.6-5.5			0	
	50-72	i	i	3.6-5.5	i i		Ö	
		Į.	I					
Malbis	-I 0-9			I I 4.5-6.0			0	
1141210	9-33	i	·	4.5-5.5	i i	i	0	i
	33-43			4.5-5.5			0	
	43-72			4.5-5.5			0	
iaB:	1	1	1	 				
Malbis	- 0-9	i	i	4.5-6.0	i i		0	i
	9-33			4.5-5.5			0	
	33-43 43-72			4.5-5.5 4.5-5.5			0	
	45 /2		İ	4.5 5.5			Ü	
faC:	!	!	I					!
Malbis	- 0-9 9-33			4.5-6.0 4.5-5.5			0	
	33-43			1 4.5-5.5			0	
	43-72		i	4.5-5.5	i i		0	i
207.			[-				
°oA: Poarch	-I 0-4			l l 4.5-5.5			0	
	4-34		·	4.5-5.5			0	i
	34-72			4.5-5.5			0	
PrD:	1	1	I I	 				1
Prim	- 0-9			7.4-8.4		0	0	0
	9-60	i	i		i i			
ufC•			[
SfC: Saffell	 - 0-10		 5.0-15	l l 4.5-5.5	1 0 1	0 1	0	1 0
	10-14		5.0-20	4.5-5.5	0 1	0	0	1 0
	14-35 35-60	i		4.5-5.5 4.5-5.5		0	0	j 0 I 0

Chemical Properties of the Soils, cont.

Monroe County, Alabama

Map symbol and soil name	Depth Depth I	capacity	Effective cation exchange capacity	reaction	Calcium carbon- ate	Gypsum	Salinity - -	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	-
SfD:	 	1	 	 			 	1
Saffell	0-10	i	5.0-15	4.5-5.5	i o i	0	I 0	i o
	10-14	i		4.5-5.5	i 0 i	0	0	i 0
	14-35	i	10-20	4.5-5.5	1 0 1	0	0	i 0
	35-60		5.0-15	4.5-5.5	0	0	0	0
SaF:		1	[
Saffell	0-10	i	5.0-15	4.5-5.5	0 1	0	I 0	i 0
Darrott	1 10-14	1	5.0-20	1 4.5-5.5		0	I 0	1 0
	1 14-35			1 4.5-5.5		0	I 0	1 0
	1 35-60		1 5.0-15	1 4.5-5.5	1 0 1	0	1 0	1 0
	33-60		3.0-13	4.5-5.5		U		
Lucy	0-25			5.1-6.0			0	
	25-34			4.5-5.5			0	
	34-60			4.5-5.5			0	
SmA:	 	 	 	 			 	
Smithton	I 0-5	i	2.0-10	4.5-5.5	i 0 i	0	I 0	i 0
	5-38	i	2.0-10	4.5-5.5	i o i	0	0	i 0
	38-42			1 4.5-5.5	i 0 i	0	0	i 0
	42-72		2.0-20	4.5-5.5	0 1	0	0	0
StA:		1	1	 			 	
Stough	0-25			1 4.5-5.5			I 0	
Scougii	1 25-32			1 4.5-5.5			1 0	i
	32-67			4.5-5.5			0	
JdC:			[
Udorthents				l			 	
Odol chencs		İ						
JnA:	1		I		i i		1	1
Una	0-2			4.5-5.5			0	
	2-72			4.5-5.5			0	
JrA:		İ	İ					
Urbo	0-6			4.5-5.5			0	
	6-66			4.5-5.5			0	
		1	I	l				1
	1	1	I	<u> </u>				1
			l	l	ıl		l	_l